

FIG. 1(a)

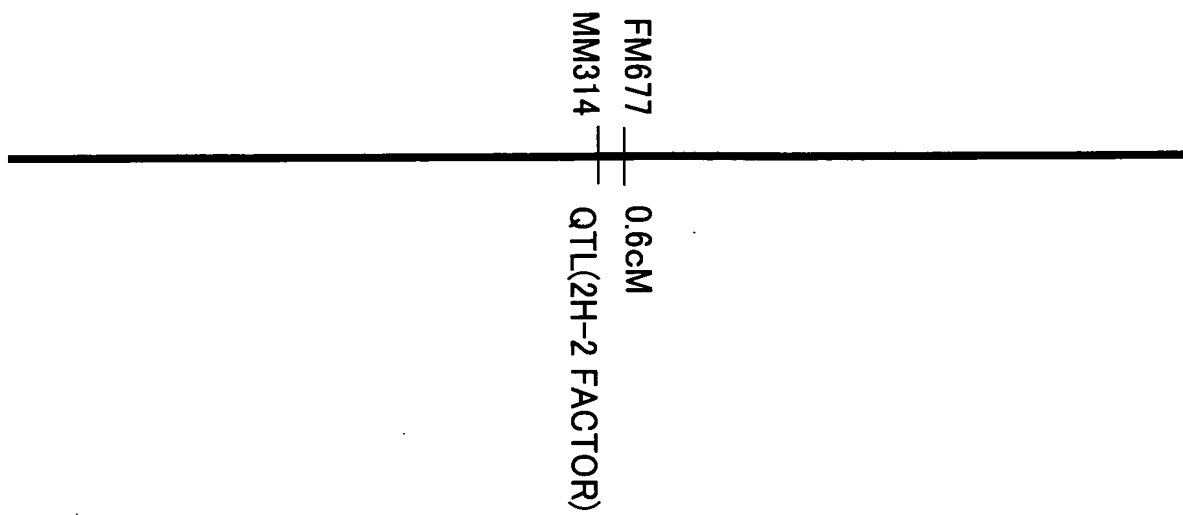


FIG. 1(b)

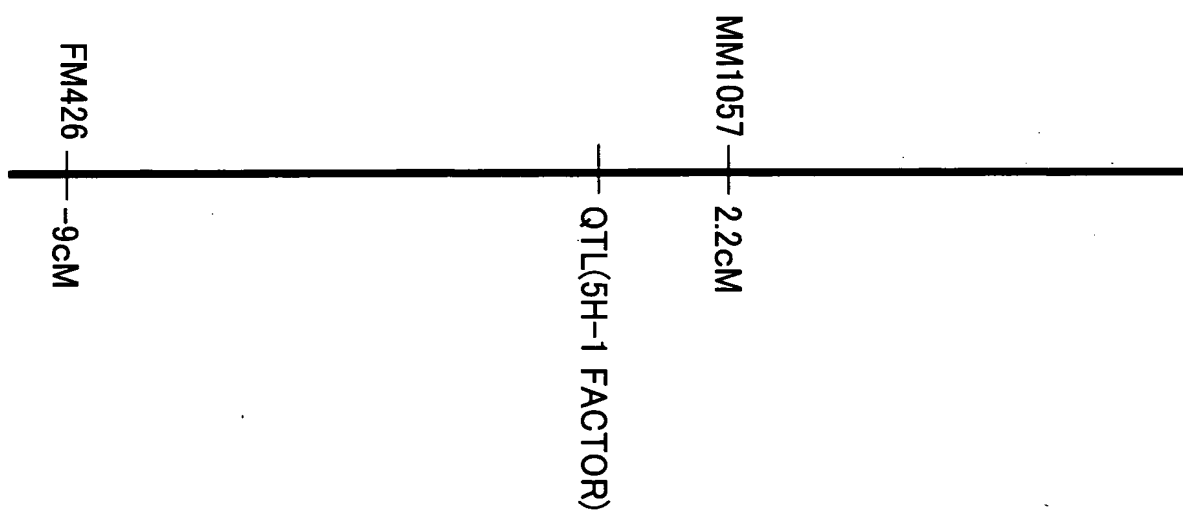


FIG. 2 (a)

GCACGTAGCGTTCAACATCACATCTCATCTTTGGCAAAGAAATGGTCAATCGGCACACT
 CTCAGTTTTTTGCACCAAAATGTCCCATGAGACCACCAACATGTGCTTCCCGCAATAGTA
 GTAAACGAACAAAGCAATCTAGAATGCATAGTTTGTTAGCACGAAACAGGAAACCATCAT
GCACATAAAACTTTTCCCAACCCTTTCC

FIG. 2 (b)

GCACGTAGCGTTCAACATCACATCTCATCTTTGGCAAAGAAATGGTCAATCGGCACACT
 CTCAGTTTTTTGCACCAAAATGTCCCATGAGACCACCAACATGTGCTTCCCGCAATAGTA
 GTAAACGAACAAAGCTATCTAGAATGCATAGTTTGTTAGCACGAAACAGGAAACCATCAT
GCACATAAAACTTTTCCCAACCCTTTCC

FIG. 2 (c)

CCGTGTGTCGTCTAGGTCAACCATGACAACAACACTACGTGTGGTCGTGACTTTGGCCTGCT
 GTTGTCACCTCACCATGGATTGTGGTCTCCATCAAAAGTTATTTGTGAGAGTTTCATCTC
 TGCAGATCTGGTGGTTGACTTTGGTGGCATGATCATAACTATGGACGGAGTCTTGATCCG
 GAGGGATGGTTGTGCGGCAACGAAGGTCACATTGCATGTAATTGTTTCNGATCACGGAAGA
GTGATGGCGAAAACACATGAGTGACTTCAATGGTGGTGTACTTCAGTATCCGGTATCAA
GCTTCANGGCAAAGCCTACGTCCCACCAAAGTTG

FIG. 2 (d)

CCGTGTGTCGTCTAGGTCAACCATGACAACAACACTACGTGTGGTCGTGACTTTGGCCTGCT
 GTTGTCACCTCACCATGGATTGTGGTCTCCATCAAAAGTTATTTGTGAGAGTTTCATCTC
 TGCAGATCTGGTGGTTGACTTTGGTGGCATGATCATAACTATGGACGGAGTCTTGATCCG
 GAGGGATGGTTGTGCGGCAACGAAGGTCACATTGCATGTAATTGTTTCNGATCACGGAAGA
GTGATGGCGAAAACACATGAGTGACTTCAATGGTGGTGTACTTCAGTATCCGGTATCAA
GCTTCANGGCAAAGCCTACGTCCCACCAAAGTTG

FIG. 3(a)

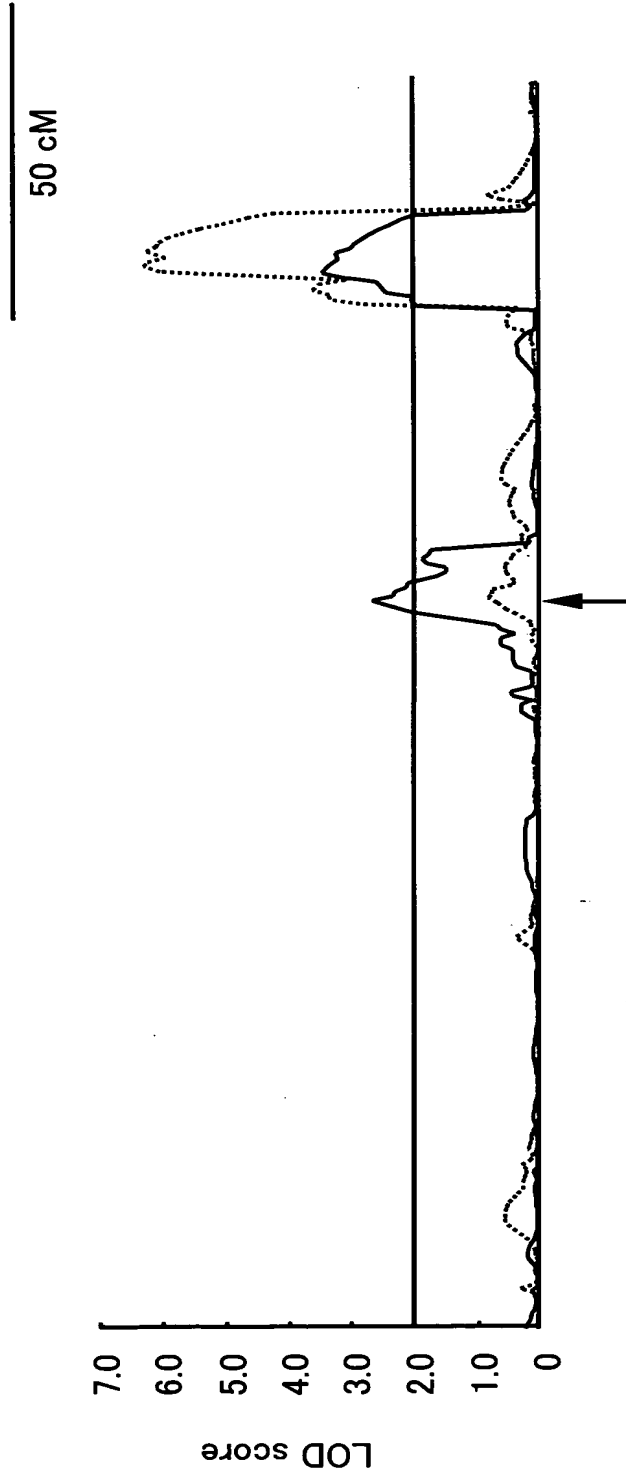


FIG. 3(b)

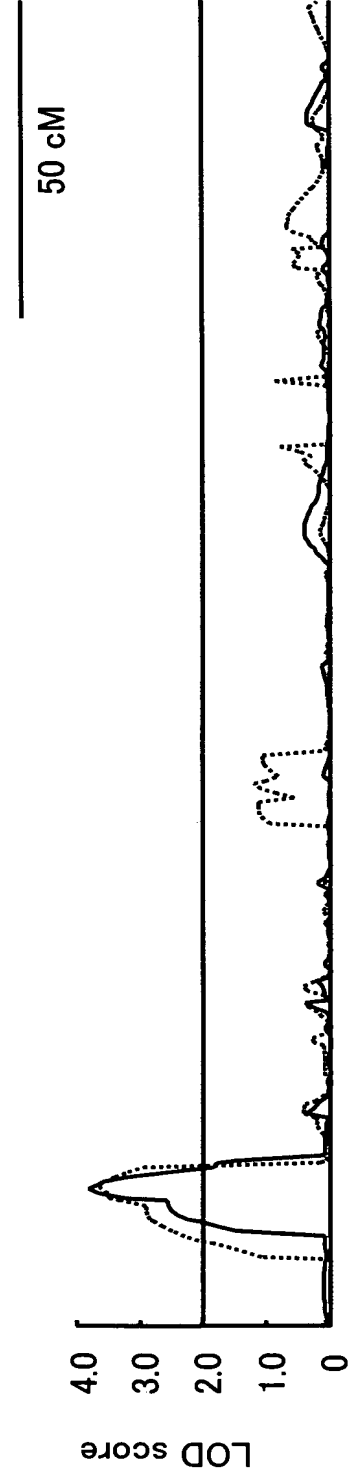


FIG. 4

Number of cycles	Time	Temp.
1	5min.	94°C
30	0. 5min.	94°C
	0. 5min.	60°C
	1. 5min.	72°C
1	5min.	72°C
	Constant	4°C

FIG. 5 (a)

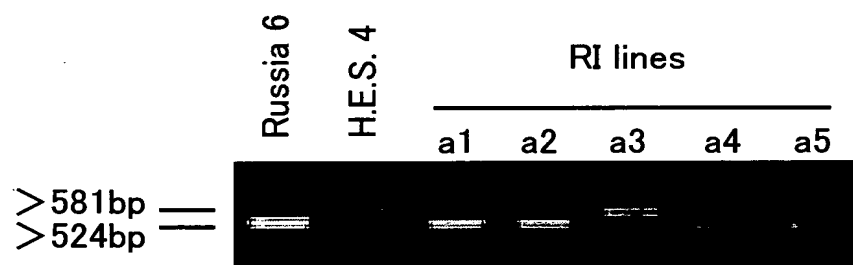
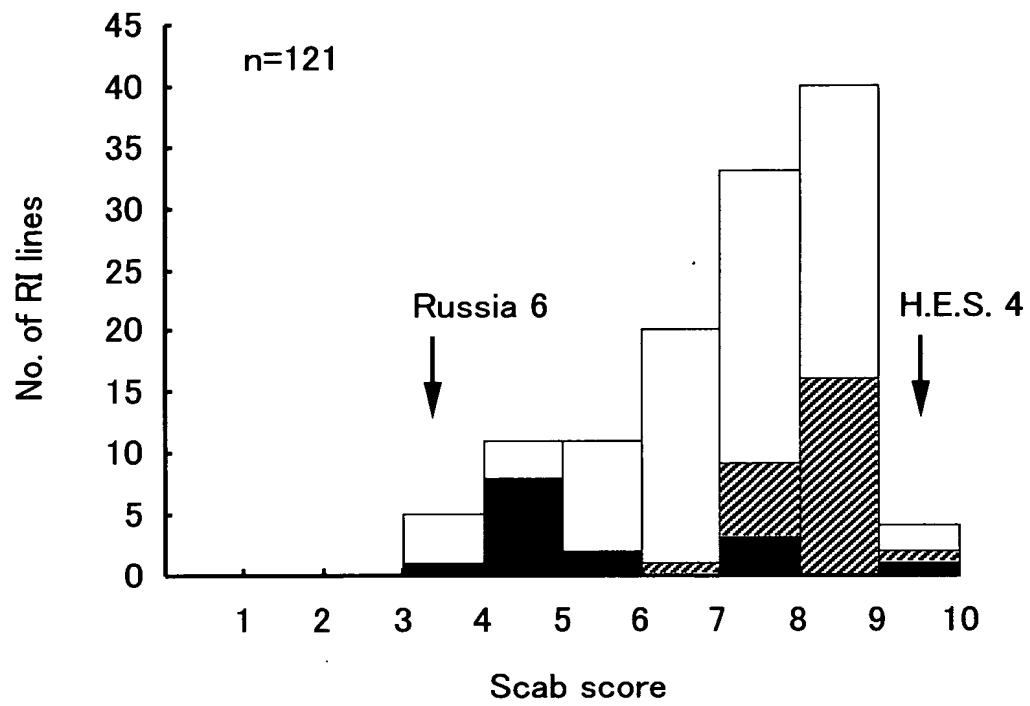
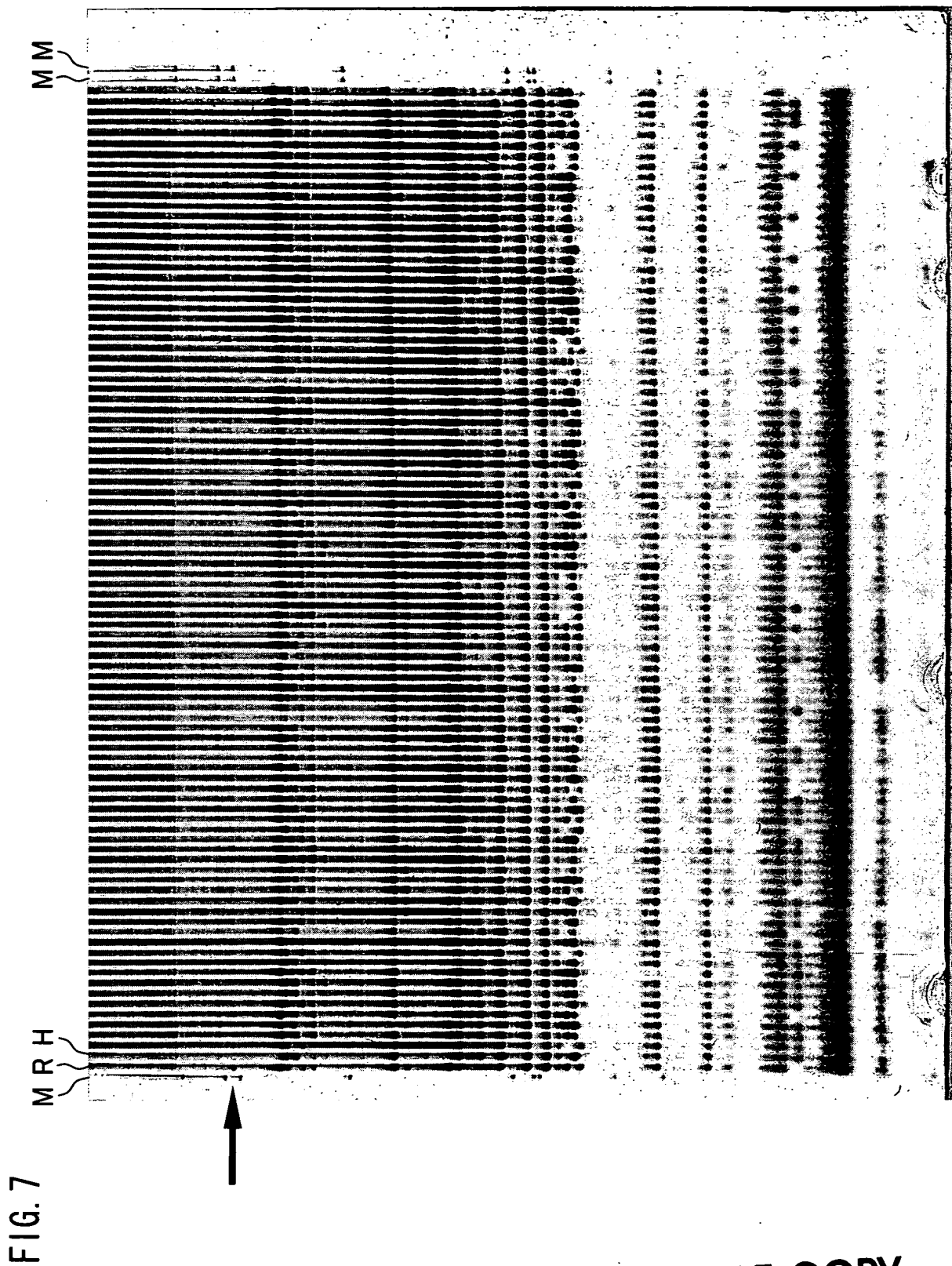


FIG. 5 (b)



FIG. 6





LEFT LANE ← → RIGHT LANE

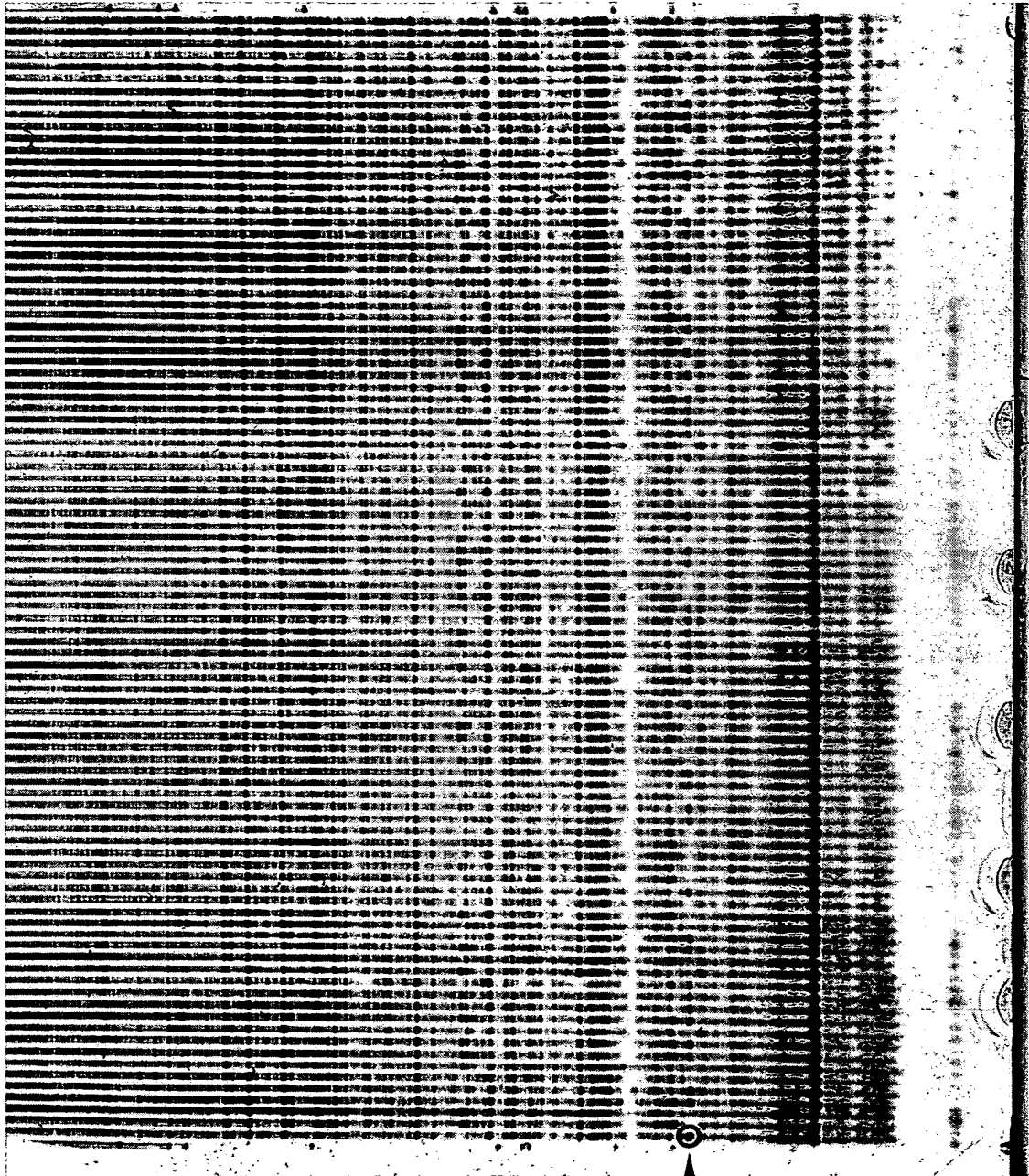


FIG. 8

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LEFT LANE ← → RIGHT LANE

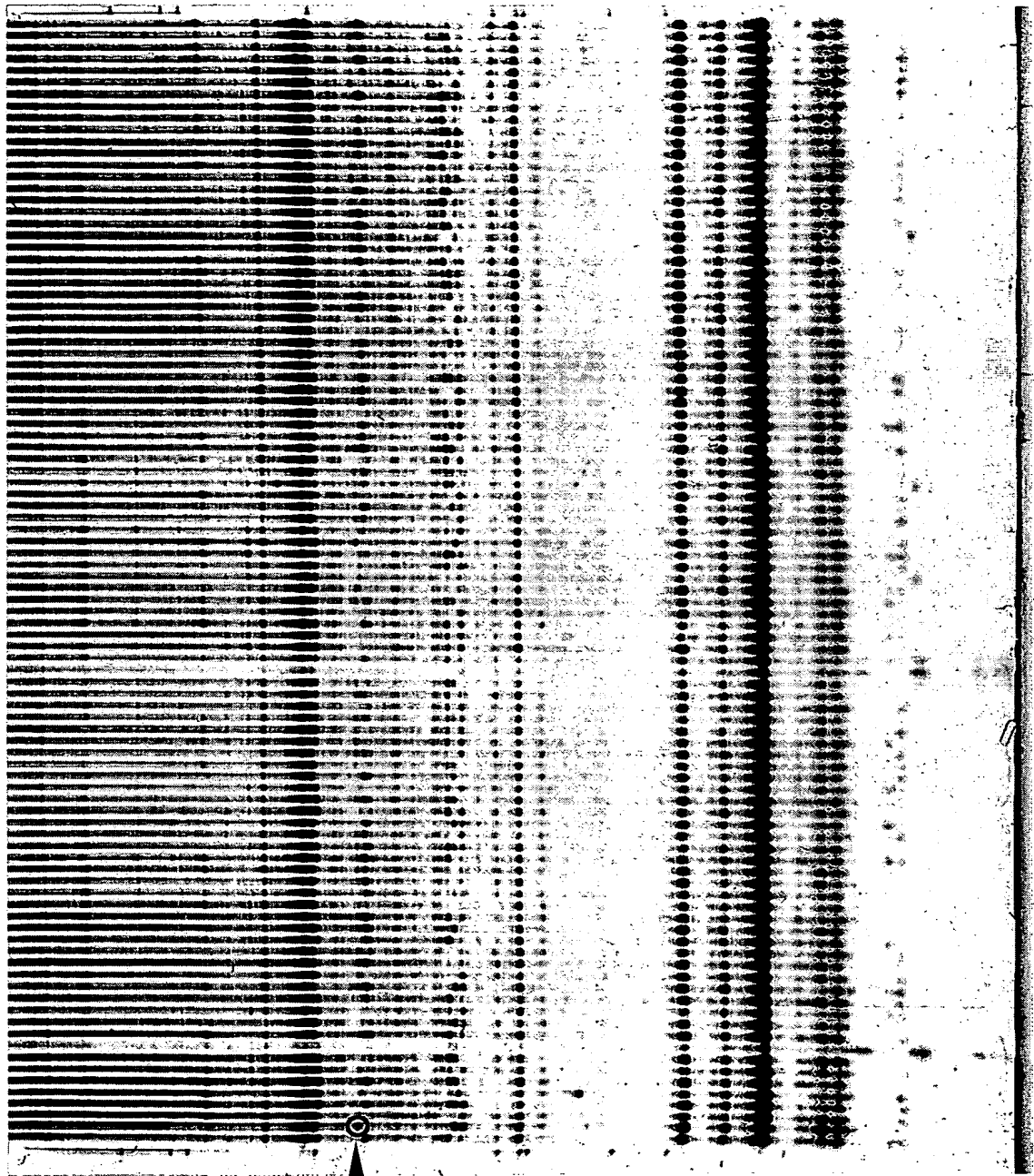


FIG. 9

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LEFT LANE ← → RIGHT LANE

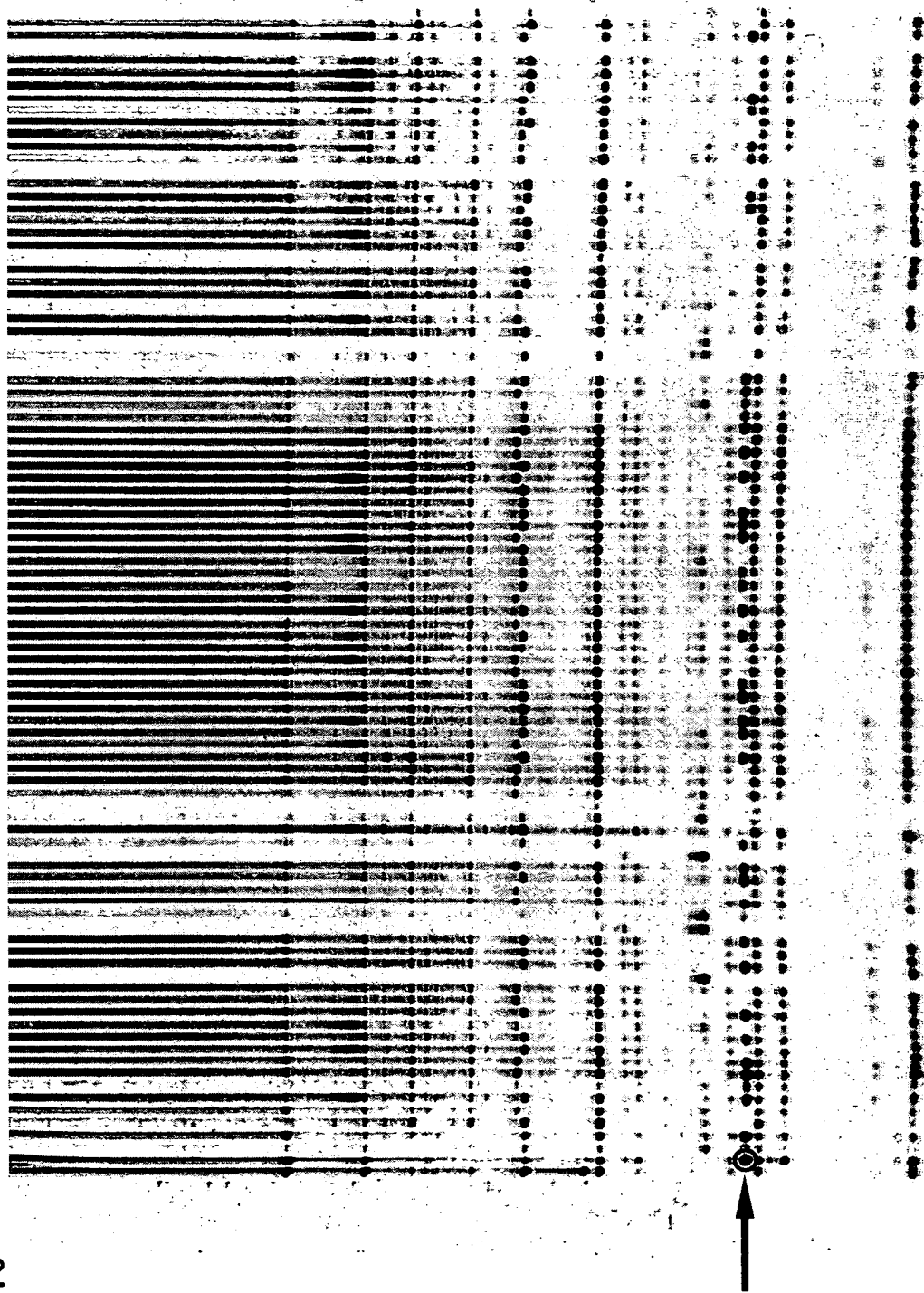


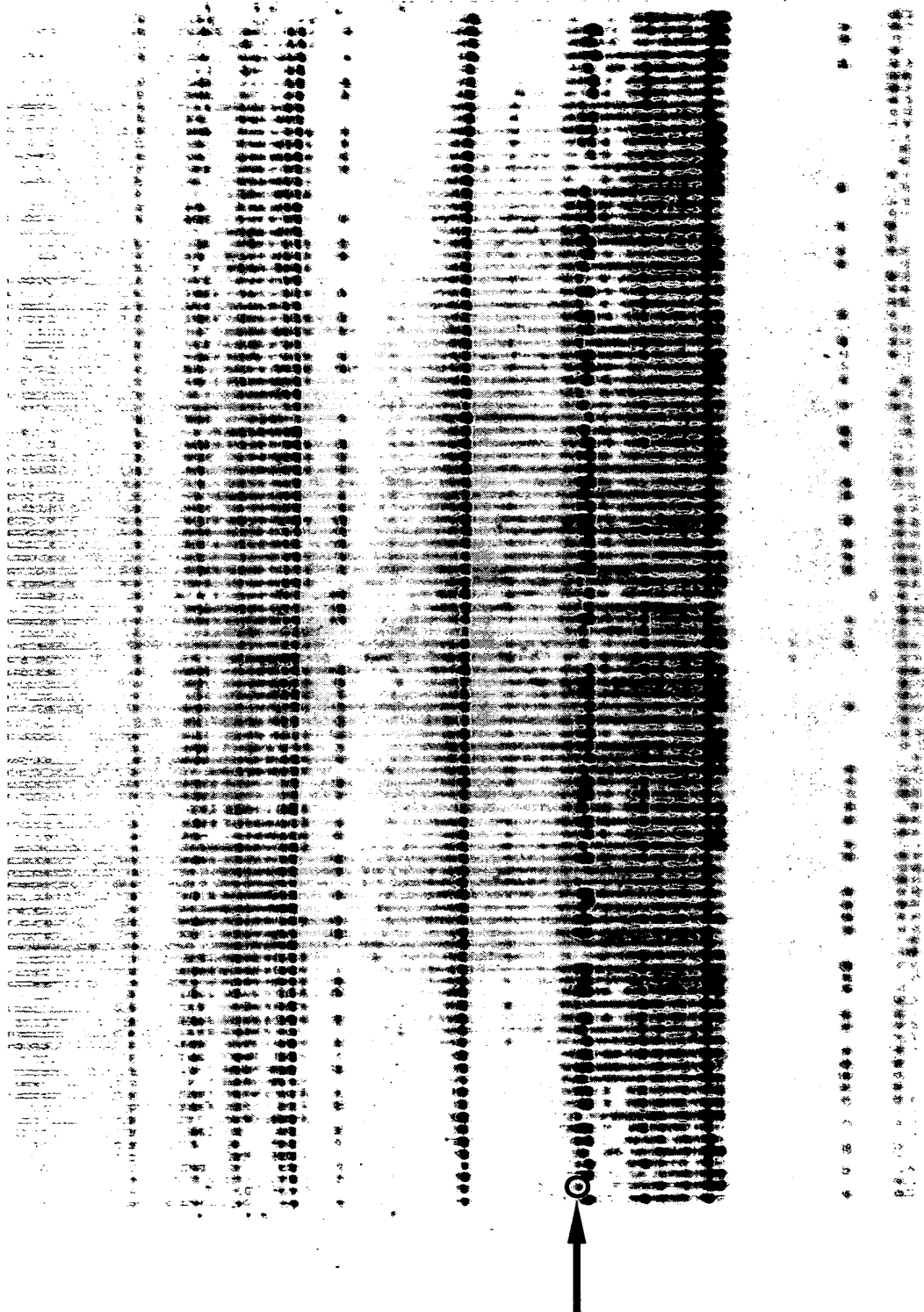
FIG. 10

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LEFT LANE ← → RIGHT LANE

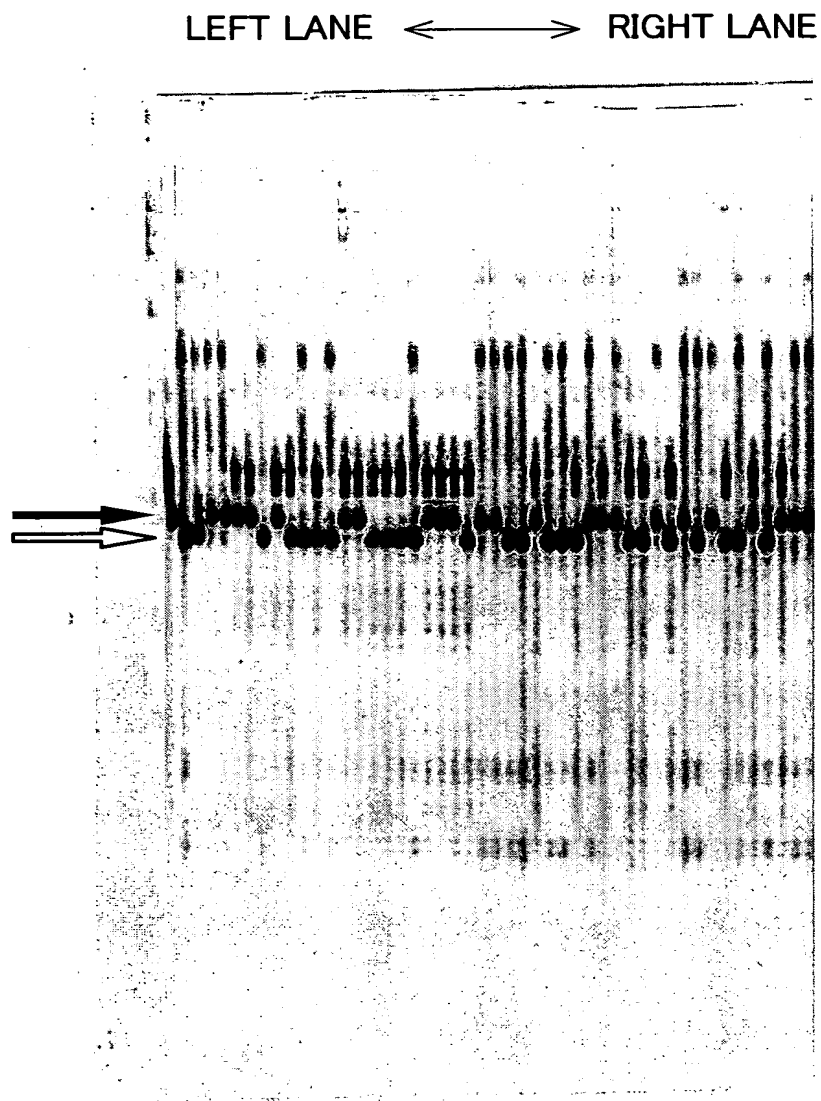
FIG. 11



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1 1/2 0

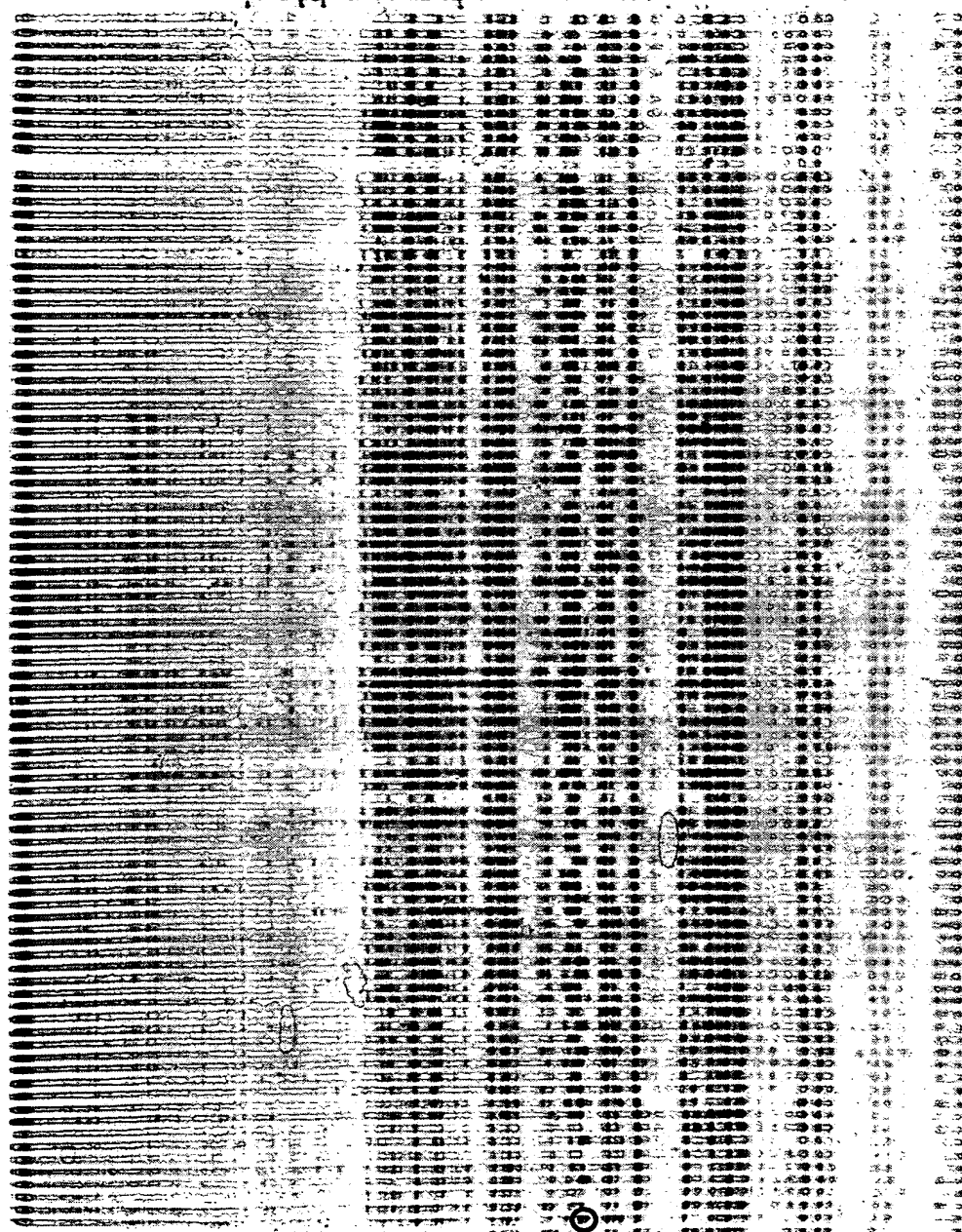
FIG. 12



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FIG. 13

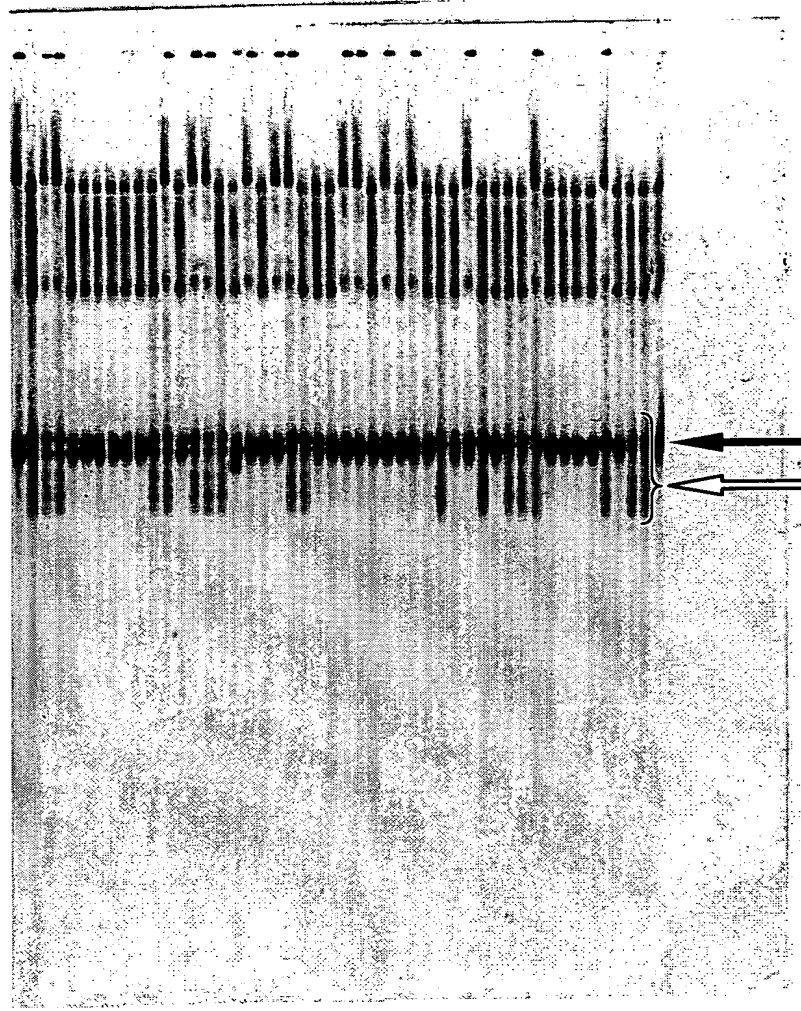
LEFT LANE ← → RIGHT LANE



1 3 / 2 0

FIG. 14

LEFT LANE \longleftrightarrow RIGHT LANE

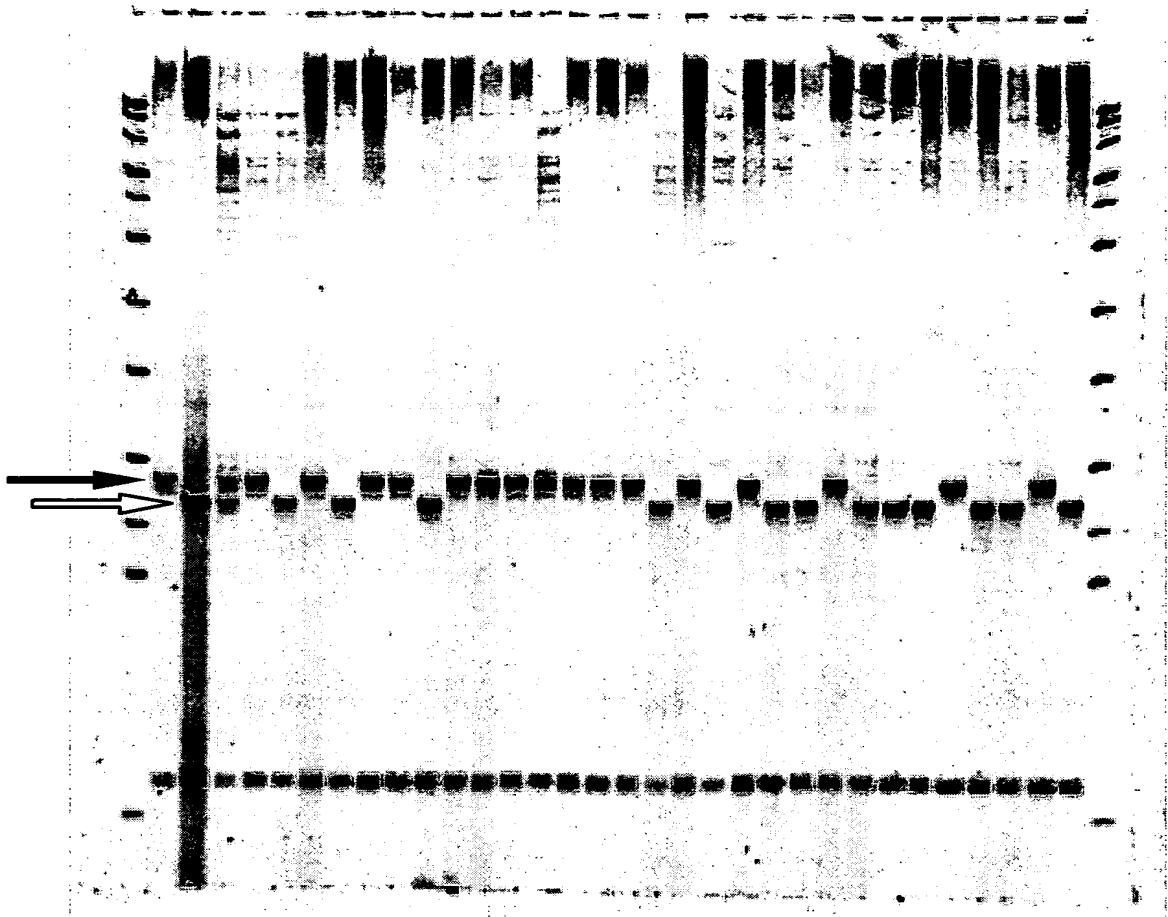


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1 4 / 2 0

FIG. 15

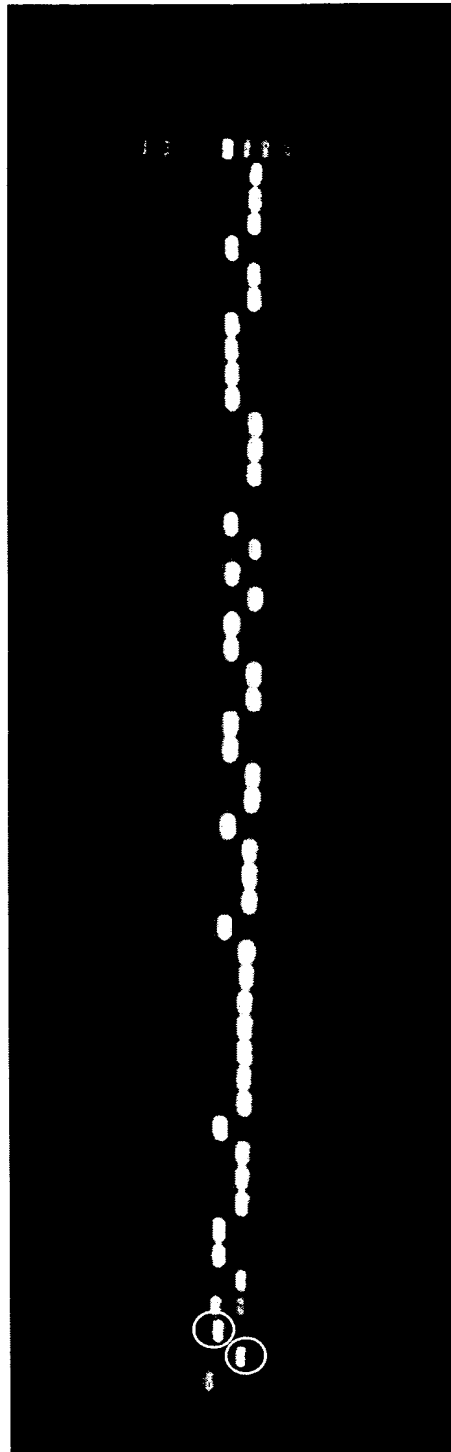
LEFT LANE \longleftrightarrow RIGHT LANE



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FIG. 16

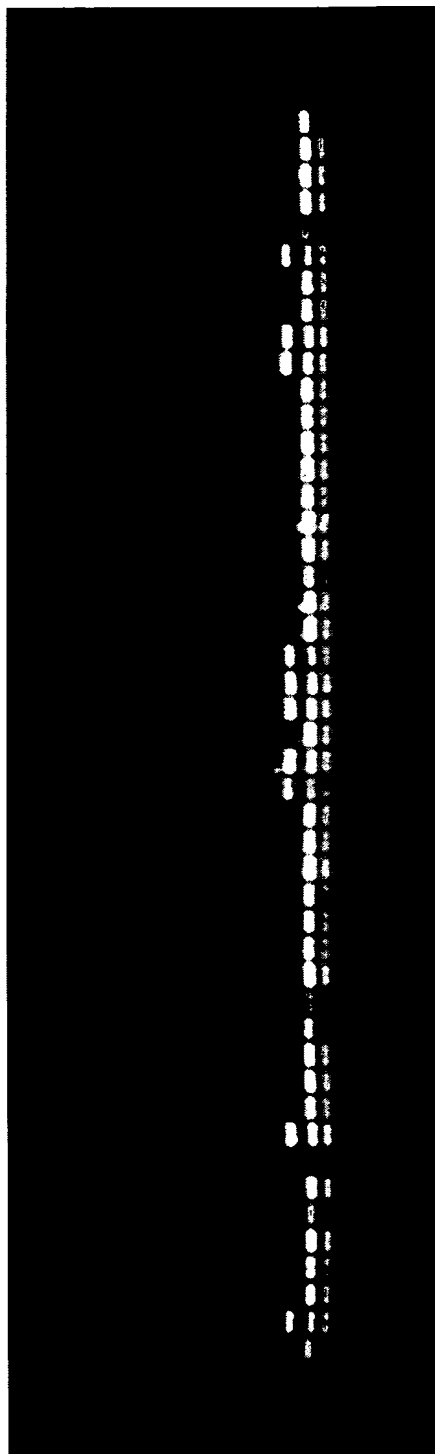
LEFT LANE ← → RIGHT LANE



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FIG. 17

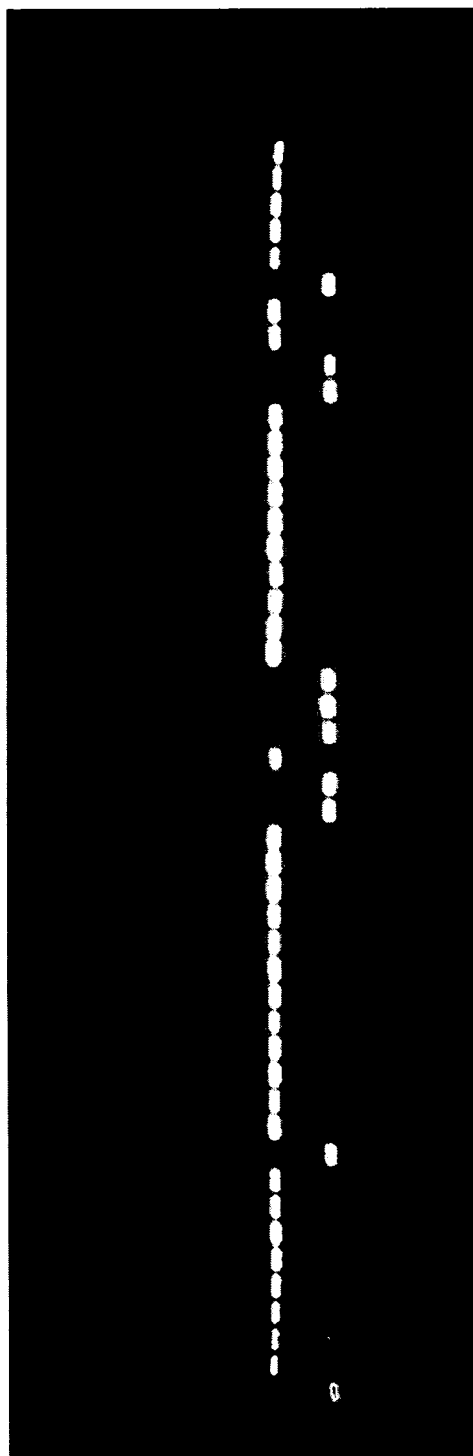
LEFT LANE ← → RIGHT LANE



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FIG. 18

LEFT LANE ← → RIGHT LANE



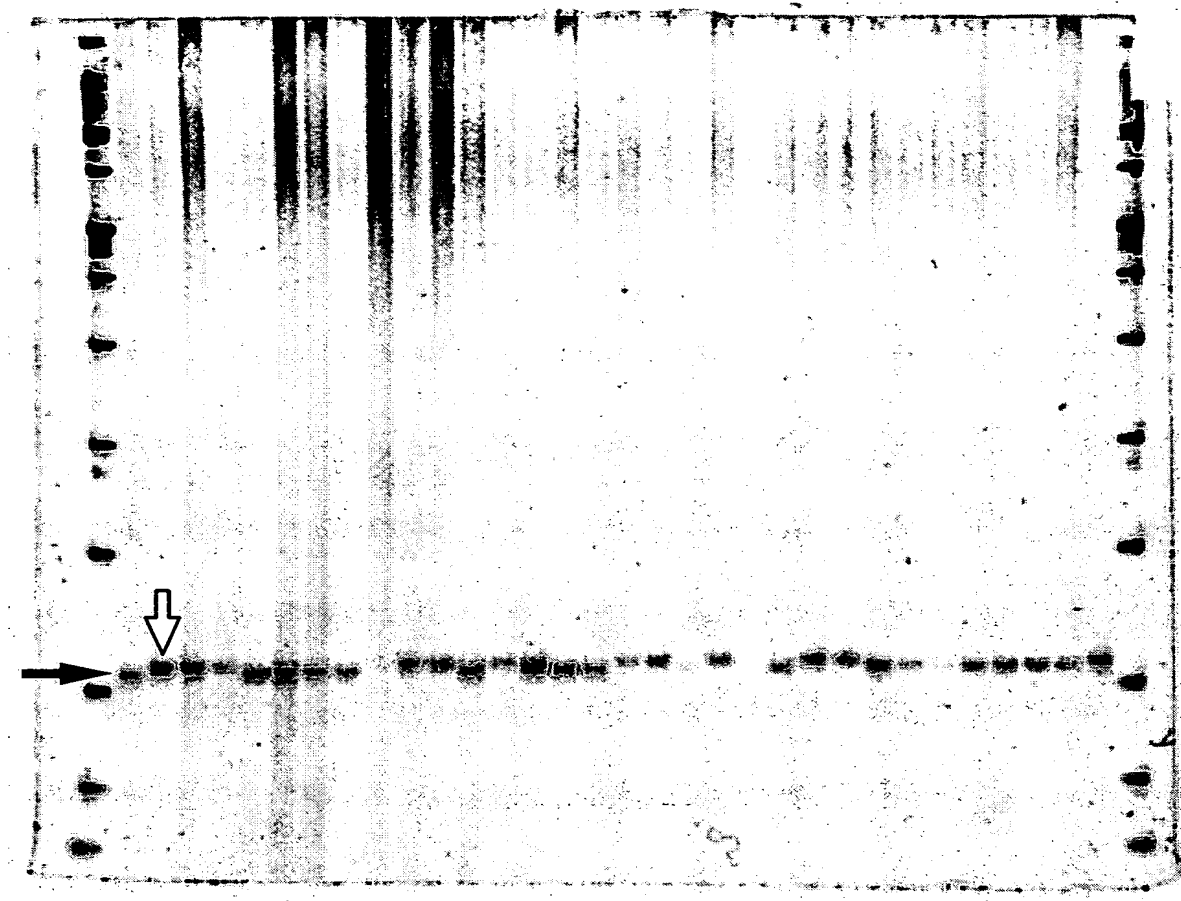
1 7 / 2 0

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1 8 / 2 0

FIG. 19

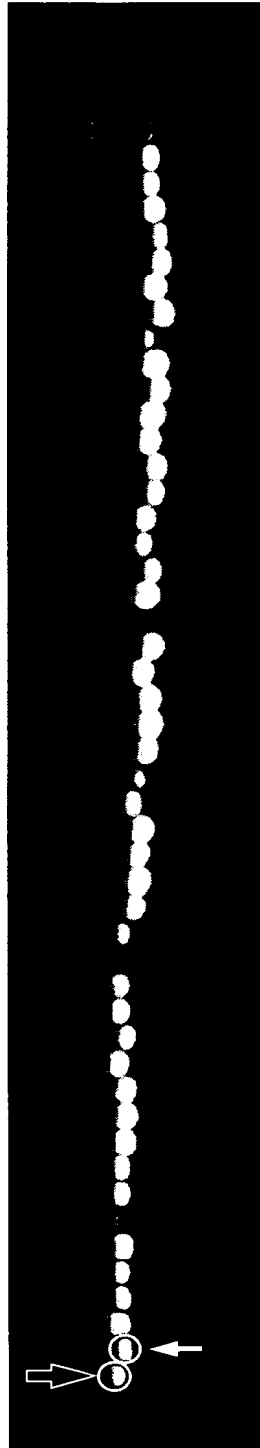
LEFT LANE \longleftrightarrow RIGHT LANE



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FIG. 20

LEFT LANE ← → RIGHT LANE



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FIG. 21

H602 : GAAAACATGCCGGTGA ACTCA
HapII
 HARUNA NIJO : GAAAACATGCAGGTGA ACTCA

FIG. 22

H602 : GCGGGCGCCGTGGGTGAGCG
 HARUNA NIJO : GCGGGCGCCGCGGGTGAGCG
SacII